

**Abstract of the Disclosure**

A method of processing fullerenes includes generating a gas stream having suspended soot particles and condensable gases, wherein the condensable gases comprise fullerenes, and separating at least a portion of the condensable gases from the suspended soot particles using a 5 gas/solid separations process. At least a portion of the fullerenes in the condensable gases can be condensed and collected after separation of the condensable gases.